

Abstract

A low-frequency PWM-modulated signal and a high-frequency, unmodulated signal for generating a high-frequency PWM-modulated signal is
5 employed directly for driving an output stage of a device for noise suppression. The low-frequency signal and the high-frequency signal is advantageously provided by a microcontroller which already has an AD converter on the input side. The microcontroller furthermore already makes a PWM output signal with a high bit width available which has the high resolution necessary for driving the loudspeaker.